

I CLAIM:

1. An electro-luminescent device of a mobile phone having a battery compartment comprising
a luminescent disc disposed on the battery compartment of the mobile phone;
- 5 a signal-receiving unit for receiving high frequency signals of the mobile phone;
an automatic control unit connected to the signal-receiving unit for filtering, rectification of the corresponding high frequency signals and for the production of flickering signal and for calculation;
- 10 a display-switching driving unit connected to the automatic control unit and the luminescent disc to drive the luminescent disc; and
a reverse-change voltage-elevating unit connected to the automatic control unit and the luminescent disc to provide the high voltage required by the luminescent disc.
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2. The electro-luminescent device of a mobile phone of claim 1, wherein the display switching driving unit includes a plurality of transistors and a diode.
3. The electro-luminescent device of a mobile phone of claim 2, wherein
20 the reverse-change voltage-elevating unit is a RCL oscillation circuit

includes resistance, capacitance and transformers.